


**VACUUM CLEANER**

**Patent number:** JP2002315701  
**Publication date:** 2002-10-29  
**Inventor:** ONISHI YUJI; TAMEIKE KIYOHIDE; MATSUMOTO YUKIMITSU  
**Applicant:** SHARP CORP  
**Classification:**  
- international: A47L9/20; A47L9/16  
- european:  
**Application number:** JP20020032474 20020208  
**Priority number(s):**

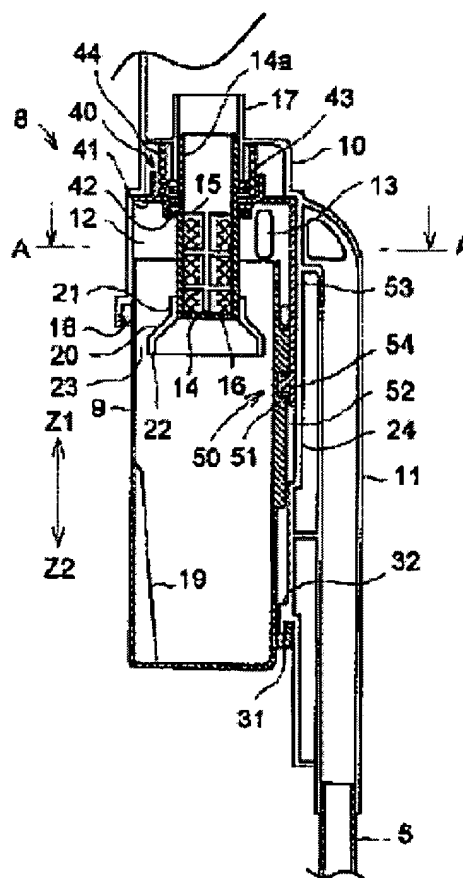
**Also published as:**

 JP2002315701 (A)

**Abstract of JP2002315701**

**PROBLEM TO BE SOLVED:** To surely clean a filter of a cyclone dust collector every time a dust cup is attached or removed.

**SOLUTION:** A filter 16 is attached to the outer periphery of an exhaust port 15 of an exhaust cylinder 14 mounted to a cyclone body 10 so as to be located at the center of a whirl of air. A cleaning means 40 of the filter 16 is attached to the outside of the cylinder 14 so as to be slidable within a certain stroke in the axial direction of the cylinder 14. The means 40 is connected to the dust cup 9 through a connection means 50 and forces the cup 9 into the body 10 or pulls the cup 9 out of the body 10, while the means 40 slides over the outside of the cylinder 14, thereby cleaning a filter 16. The connection means 50 is separable, and when the cup 9 is connected to the body 10, the cup 9 is connected to the means 40.



Data supplied from the **esp@cenet** database - Patent Abstracts of Japan